

P-031



Police Modifier Bulletin

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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Date: 28 May, 2020

3.7L Duratec – Operator Commanded Interior Cabin Heating For Virus Reduction

*(See Police Modifier Bulletin P-030 - Integrated Diagnostic System (IDS) Enabled Interior
Cabin Heating For Virus Reduction)*

Models Affected

2016MY to 2019 Police Interceptor Utility vehicles with 3.7L Duratec Engine

Purpose

Provide information regarding 2016-2019 Police Interceptor Utility vehicles equipped with 3.7L Duratec engine that have a new software solution that activates a heating procedure – when combined with the Centers for Disease Control and Prevention (CDC) guidelines – helps reduce virus counts inside the interior of Police Interceptor Utility (PIU) vehicles. Follow the Service Procedure steps to perform the virus reduction procedure. This information also included in Technical Service Bulleting TSB 20-2174.

NOTE: This is not a diagnostic routine and should not be used in any way to repair a vehicle. This procedure cannot be submitted on a warranty claim. This procedure is only intended for the first and second row seating areas. Ambient temperatures will affect this procedure. When performing this procedure, ambient temperatures should be above approximately 10°C (50°F).

Action: Follow the Service Procedure steps on vehicles that meet all of the following criteria:

- 2016-2019 Police Interceptor Utility vehicles
- 3.7L Duratec engine
- Vehicle must have at least a 1/4 tank of fuel

3.7L Duratec – Operator Commanded Interior Cabin Heating For Virus Reduction (continued)

Warranty Status: Information Only – Not Warrantable

Repair/Claim Coding

Causal Part:	IN
Condition Code:	01

Service Procedure

1. Using the Ford Integrated Diagnostic System (IDS) scan tool version 118.01 or later, reprogram the powertrain control module (PCM), body control module (BCM), and the heating, ventilation and air conditioning (HVAC) module.
2. Once the reprogramming is complete, the vehicle operator will have the ability to command heating of the vehicle interior without further use of a diagnostic scan tool.
3. It is optional to label the vehicle as having the update performed. Ford label part number FPS-8262 Authorized Modification Label can be used and installed on the vehicle.



WARNING: Ford Motor Company is not responsible for any failure in following these instructions which may result in serious personal injury or damage to a vehicle. Performing this procedure will increase the interior temperature of the vehicle. Before performing this procedure, remove all occupants from the vehicle along with any equipment that should not be exposed to excessive heat. These may include, but are not limited to: personal items, cell phones, laptops, battery operated equipment, weapons, ammunition, oxygen tanks, backpacks, gas detectors, liquids, medical equipment, personal protective equipment and/or potentially flammable material. Make sure to exercise caution when entering the vehicle after this procedure has been performed. Interior surfaces will be hot. Exhaust gases will be generated during this procedure. Failure to perform this procedure in a well ventilated area could result in elevated concentrations of exhaust gases in and around the vehicle.

NOTE: This procedure is intended to be run on vehicles that follow all manufacturer suggested maintenance and with all fluid levels being set to manufacturer suggested levels.

NOTE: If the Ford installed secure idle vehicle option is desired to be used in conjunction with this interior cabin heating procedure, then it is required to press the secure idle button before entering this procedure.

3.7L Duratec – Operator Commanded Interior Cabin Heating For Virus Reduction

(continued)



CAUTION: Performing the interior cabin heating procedure has the possibility of inadvertently illuminating the tire pressure monitor system (TPMS) warning indicator on the instrument panel cluster (IPC). Make sure to verify tire pressures are correct before starting this procedure. If a TPMS warning indicator remains illuminated after the interior cabin heating procedure has completed, and tire pressures are not low, drive the vehicle at speeds over 32 kph (20 mph) for approximately 5 minutes to reset the TPMS system.

1. Place the vehicle in PARK in a well ventilated area or in a garage with vehicle exhaust extraction equipment attached and properly functioning.

2. Is the engine at or near normal operating temperature?

(1). Yes - proceed to Step 3.

(2). No - bring the engine up to normal operating temperature.

3. Make sure the hood, liftgate, doors, and windows are closed.

NOTE: Do not open the hood, liftgate, doors, or windows while the procedure is in operation as it may extend or abort the procedure.

4. Open any sliding partitions and remove any first-to-second row barriers that can be easily detached or removed. This will maximize heat transfer to the second row seating area.

5. Make sure that all footwells and HVAC ducts are open and clear from any obstruction. This includes removing or relocating any loose items located under the front seats.

6. Make sure all instrument panel register vents are pointing directly towards the rear of the vehicle.

NOTE: To assist with this procedure and reduce the overall time required to complete, it is recommended that a partition, potentially made of foam board insulation, wood, cardboard, or equivalent be created and installed between the second row seating area and the cargo area. (Figure 1)

3.7L Duratec – Operator Commanded Interior Cabin Heating For Virus Reduction (continued)



7. Start the vehicle.

8. Using the cruise control setting buttons located on the steering wheel, press the buttons in the following sequence: Set+, Set-, Set+, Set-, On, Off, On, Off.

NOTE: This sequence must be performed in rapid succession for the procedure to initiate.

NOTE: Do not touch any other vehicle inputs after entering the cruise control button sequence. Pressing any other buttons or driver inputs could cause this procedure to abort.

NOTE: The vehicle operator may notice the speedometer moving along with the cruise control icon being illuminated



WARNING: If the operator commanded interior cabin heating needs to be canceled for any reason, open the left front door and, without entering the vehicle, press the brake pedal using the operator's foot.

9. Exit the vehicle



WARNING: Failure to exit the vehicle after initiating the procedure will result in exposure to dangerously high temperatures and could result in exposure to elevated concentrations of exhaust gases.

NOTE: This procedure may last up to 2 hours. This is largely dependent on exterior and interior ambient temperature, initial engine temperature, and vehicle configurations such as partitions between rows, rear climate, etc.

3.7L Duratec – Operator Commanded Interior Cabin Heating For Virus Reduction (continued)

10. The vehicle exterior lighting will flash in various patterns that indicate the different states of the procedure.

- (1). When the procedure is running the hazards will flash once to indicate the procedure is in-process
- (2). When the procedure has ended the reverse lights will flash indicating the procedure has stopped.
- (3). A double hazard flash means the procedure successfully completed.
- (4). A triple hazard flash means the procedure aborted.



WARNING: Make sure to exercise caution when entering the vehicle after this procedure has been performed. Interior surfaces will be hot.

11. After the procedure has completed, open doors and windows to allow for cooling for a minimum of 5 minutes before entering the vehicle.

12. Turn the climate control system on and set it to A/C to assist with further cool-down.

13. After the vehicle has cooled, remove any temporary partitions installed for this procedure. Return any items removed from the vehicle.

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Information and Procedure

3.7L Duratec - Operator Commanded Interior Cabin Heating For Virus Reduction



Ford has a new software solution that activates a heating procedure – when combined with the Centers for Disease Control and Prevention (CDC) guidelines – helps reduce virus counts inside the interior of Police Interceptor Utility (PIU) vehicles. Follow the steps below to perform the virus reduction procedure.

This virus reducing interior heating procedure is only intended for the first and second row seating areas.

Ambient temperatures will affect this procedure. When performing this procedure, ambient temperatures should be above approximately 10°C (50°F).



WARNING: Ford Motor Company is not responsible for any failure in following these instructions which may result in serious personal injury or damage to a vehicle. Performing this procedure will increase the interior temperature of the vehicle. Before performing this procedure, remove all occupants from the vehicle along with any equipment that should not be exposed to excessive heat. These may include, but are not limited to: personal items, cell phones, laptops, battery operated equipment, weapons, ammunition, oxygen tanks, backpacks, gas detectors, liquids, medical equipment, personal protective equipment and/or potentially flammable material. Make sure to exercise caution when entering the vehicle after this procedure has been performed. Interior surfaces will be hot. Exhaust gases will be generated during this procedure. Failure to perform this procedure in a well-ventilated area could result in elevated concentrations of exhaust gases in and around the vehicle.

NOTE: This procedure is intended to be run on vehicles that follow all manufacturer suggested maintenance and with all fluid levels being set to manufacturer suggested levels.

NOTE: If the Ford installed Secure Idle vehicle option is desired to be used in conjunction with this virus reducing interior cabin heating procedure, then it is required to press the Secure Idle button before entering this procedure.

CAUTION: Performing the interior cabin heating procedure has the possibility of inadvertently illuminating the tire pressure monitor system (TPMS) warning indicator on the instrument panel cluster (IPC). Make sure to verify tire pressures are correct before starting this procedure. If a TPMS warning indicator remains illuminated after the interior cabin heating procedure has completed, and tire pressures are not low, drive the vehicle at speeds over 32 kph (20 mph) for approximately 5 minutes to reset the TPMS system.

Information and Procedure

3.7L Duratec - Operator Commanded Interior Cabin Heating For Virus Reduction

PROCEDURE

1. Place the vehicle in PARK in a well-ventilated area or in a garage with vehicle exhaust extraction equipment attached and properly functioning.
2. Is the engine at or near normal operating temperature?
 - a. Yes - Proceed to Step 3.
 - b. No - Bring the engine up to normal operating temperature.
3. Make sure the hood, liftgate, and doors are closed. Make sure all windows are closed.
NOTE: Do not open the hood, liftgate, doors, or windows while the procedure is in operation as it may extend or abort the procedure.
4. Open any sliding partitions and remove any first-to-second row barriers that can be easily detached or removed. This will maximize heat transfer to the second-row seating area.
5. Make sure that all footwells and Heating, Ventilation and Air Conditioning (HVAC) ducts are open and clear from any obstruction. This includes removing or relocating any loose items located under the front seats.
6. Make sure all instrument panel register vents are pointing directly towards the rear of the vehicle.
NOTE: To assist with this procedure and reduce the overall time required to complete, it is recommended that a partition, potentially made of foam board insulation, wood, cardboard, or equivalent be created and installed between the second-row seating area and the cargo area.
7. Start the vehicle.
8. Using the cruise control setting buttons, located on the steering wheel, press the buttons in the following sequence: Set+, Set-, Set+, Set-, On, Off, On, Off.
NOTE: This sequence must be performed in rapid succession for the procedure to initiate.
NOTE: Do not touch any other vehicle inputs after entering the cruise control button sequence. Pressing any other buttons or driver inputs could cause this procedure to abort.
NOTE: The vehicle operator may notice the speedometer moving along with the cruise control icon being illuminated.



WARNING: If the operator commanded interior cabin heating needs to be canceled for any reason, open the left front door and without entering the vehicle, press the brake pedal using the operator's foot.

Information and Procedure

3.7L Duratec - Operator Commanded Interior Cabin Heating For Virus Reduction

9. Exit the vehicle.



WARNING: Failure to exit the vehicle after initiating the procedure will result in exposure to dangerously high temperatures and could result in exposure to elevated concentrations of exhaust gases.

NOTE: This procedure may last up to 2 hours. This is largely dependent on exterior and interior ambient temperature, initial engine temperature, and vehicle configurations such as partitions between rows, rear climate, etc.

10. The vehicle exterior lighting will flash in various patterns that indicate the different states of the procedure. When the procedure is running the hazards will flash once to indicate the procedure is in-process. When the procedure has ended the reverse lights will flash indicating that the procedure has stopped. A double hazard flash means the procedure successfully completed. A triple hazard flash means the procedure aborted.



WARNING: Make sure to exercise caution when entering the vehicle after this procedure has completed. Interior surfaces will be hot.

11. After the procedure has completed, open doors and windows to allow for cooling for a minimum of 5 minutes before entering the vehicle.

12. Turn the climate control system on and set it to A/C to assist with further cool-down.

13. After the vehicle has cooled, remove any temporary partitions installed for this procedure. Return any items removed from the vehicle.

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